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OMB No. 0651-0011 Page 1 of 6

INFORMATION
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STATEMENT

Applicant(s): Eugene P. Marsh

Confirmation No.: 8194

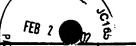
U.S. PATENT DOCUMENTS

Filing Date: 29 August 2001

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JN		3,839,164	10/01/74	Hurst			
		4,830,982	05/16/89	Dentai et al.			
		4,992,305	02/12/91	Erbil			
	<u>-</u>	5,045,899	09/03/91	Arimoto			
		5,096,737	03/17/92	Baum et al.			
		5,130,172	07/14/92	Hicks et al.			
		5,149,596	09/22/92	Smith et al.			
	. "	5,187,638	02/16/93	Sandhu et al.			
		5,198,386	03/30/93	Gonzalez			
		5,232,873	08/03/93	Geva et al.			
		5,252,518	10/12/93	Sandhu et al.			
		5,270,241	12/14/93	Dennison et al.			
		5,341,016	08/23/94	Prall et al.			
		5,354,712	10/11/97	Ho et al.			
		-5,362,632	_1.1/08/94	-Mathews			
		5,372,849	12/13/94	McCormick et al.			
		5,392,189	02/21/95	Fazan et al.			
		5,403,620	04/04/95	Kaesz et al.			
		5,464,786	11/07/95	Figura et al.			
		5,466,629	11/14/95	Mihara et al:			
		5,478,772	12/26/95	Fazan			
		5,480,684	01/02/96	Sandhu			
		5,487,923	01/30/96	Min et al.			
		5,498,562	03/12/96	Dennison et al.			

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OMB No. 0651-0011 Page 2 of 6

INFORMATION
DISCLOSURE - 1/4 Pet OF
STATEMENT

Atty. Docket No.: 150.0064 0102

Serial No.: 09/942,200

Applicant(s): Eugene P. Marsh

Confirmation No.: 8194

Filing Date: 29 August 2001

Group: 2811

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JN		5,506,166	04/09/96	Sandhu et al.			
		5,510,651	04/23/96	Maniar et al.			
		5,520,992	05/28/96	Douglas et al.			
		5,555,486	09/10/96	Kingon et al.			
		5,561,307	10/01/96	Mihara et al.			
		5,566,045	10/15/96	Summerfelt et al.			
	X	5,587,436	12/03/96	Summerfelt et al.			
		5,599,424	02/04/97	Matsumoto et al.			
		5,605,857	02/25/97	Jost et al.			
		5,618,746	04/08/97	Hwang			
		5,637,527	06/10/97	Baek			
		5,639,698	06/17/97	Yamazaki et al.			
		5,652,171	07/29/97	Nagano et al.			
		5,654,222	08/05/97	Sandhu et al.			
		5,654,224	08/05/97	Figura et al.			
		5,661,115	08/26/97	Sandhu			
		5,663,088	09/02/97	Sandhu et al.			
		5,679,225	10/21/97	Pastacaldi et al.			
		5,679,980	10/21/97	Summerfelt			
		5,691,009	11/25/97	Sandhu			
	X	5,691,219	11/25/97	Kawakubo et al.			
		5,695,815	12/09/97	Vaartstra			
		5,696,384	12/09/97	Ogi et al.			
		5,714,402	02/03/98	Choi			
		5,717,250	02/10/98	Schuele et al.			

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OMB No. 0651-0011
Page 3 of 6

INFORMATION
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Serial No.: 09/942,200

Applicant(s): Eugene P. Marsh

Confirmation No.: 8194

Filing Date: 29 August 2001

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Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
ZN		5,728,626	03/17/98	Allman et al.			
		5,744,832	04/28/98	Wolters et al.			
		5,760,474	06/02/98	Schuele			
		5,962,716	10/05/99	Uhlenbrock et al.			
		5,970,378	10/19/99	Shue et al.			
		5,972,105	10/26/99	Yamazaki et al.			
		5,990,559	11/23/99	Marsh			
		6,063,705	05/16/00	Vaartstra		:	
		6,074,945	06/13/00	Vaartstra et al.			
		6,127,257	10/03/00	Pintchovski et al.			· ·
		6,133,159	10/17/00	Vaartstra et al.			
	X	6,140,173	10/31/00	Wolters et al.			
		6,204,172 B1	03/20/01	Marsh			
	X	6,323,081 B1	11/27/01	Marsh			
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OMB No. 0651-0011 Page 4 of 6

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Atty. Docket No.: 150.0064 0102	Serial No.: 09/942,200
Applicant(s): Eugene P. Marsh	Confirmation No.: 8194
Filing Date: 29 August 2001	Group: 2811

FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Trans Yes	lation No
JV		DE 197 37 323 A1	03/11/99	Germany				
		0 301 725 A2	02/01/89	EPO				
		0 770 862	05/02/97	EPO				
		9 162372	06/20/97	Japan				
	X	WO 00/14778	03/16/00	PCT				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
JN		Al-Shareef et al., "Analysis of the oxidation kinetics and barrier layer properties of ZrN and Pt/Ru thin films for DRAM applications", <i>Thin Solid Films</i> , 280, 265-270 (1996).
		Bhatt et al., "Novel high temperature multilayer electrode-barrier structure for high density ferroelectric memories," <i>Appl. Phys. Letter</i> , 71 (1997).
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		Doppelt et al., "Mineral precursor for chemical vapor deposition of Rh metallic films," <i>Mater. Sci. Eng.</i> , 817, 143-146 (1993).
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		Green et al., "Chemical Vapor Deposition of Ruthenium and Ruthenium Dioxide Films," J. Electrochem. Soc., 132, 2677-2685 (1985).
		Hoke et al., "Low-temperature Vapour Deposition of High-purity Iridium Coatings from Cyclooctadiene Complexes of Iridium," <i>J. Mater. Chem.</i> , 1, 551-554 (1991).
		Hsu et al., "Synthesis and X-ray structure of the heteronuclear cluster, $(\mu-H)_2(\eta^5-C_5H_5)$ IrOs ₃ (CO) ₁₀ ," <i>Journal of Organometallic Chemistry</i> , 426, 121-130 (1992).
		Johnson et al., "Chemistry," Nature, 901-902 (1967).

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JOSEPH NEUYEN	6/6/02	
	ALL DEPOT CO. D. H. et al. 15 et al.	_

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OMB No. 0651-0011 Page 5 of 6



Atts. Docket No.: 150.0064 0102 Serial No.: 09/942,200

Applicant(s): Eugene P. Marsh Confirmation No.: 8194

Filing Date: 29 August 2001 Group: 2811

Examiner Initial	Copy Enclosed	Document Description
24		Kaesz et al., "Low-Temperature Organometallic Chemical Vapor Deposition of Transition Metals," <i>Mat. Res. Soc. Symp. Proc.</i> , 131, 395-400 (1989).
		Kawahara et al., "(Ba, Sr)TiO ₃ Films Prepared by Liquid Source Chemical Vapor Deposition on Ru Electrodes," <i>Jpn. J. Appl. Phys.</i> , 35, 4880-4885 (1996).
		Khakani et al., "Pulsed laser deposition of highly conductive iridium oxide thin films," Appl. Phys. Lett., 69, 2027-2029 (1991).
		Kumar et al., "New precursors for organometallic chemical vapor deposition of rhodium," <i>Can. J. Chem.</i> , 69, 108-110 (1991).
		Kwon et al., "Characterization of Pt Thin Films Deposited by Metallorganic Vapor Deposition for Ferroelectric Bottom Electrodes," <i>J. Electrochem. Soc.</i> , 144, 2848-2854 (1997).
		Liao et al., "Characterization of RuO ₂ thin films deposited on Si by metal-organic chemical vapor deposition," <i>Thin Solid Films</i> , 287, 74-79 (1996).
		Lu et al., "Ultrahigh vacuum chemical vapor deposition of rhodium thin films on clean and TiO ₂ -covered Si(111)," <i>Thin Solid Films</i> , 208, 172-176 (1992).
		Macchioni et al., "Cationic Bis- and Tris(η2-(pyrazol-1-y1)methane) Acetyl Complexes of Iron (II) and Ruthenium (II): Synthesis, Characterization, Reactivity, and Interionic Solution Structure by NOESY NMR Spectroscopy," <i>Organometallics</i> , 16, 2139-2145 (1997).
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		Pathangey et al., "Various approaches have been explored to obtain atomic layer controlled growth, but one of the most straightforward growth techniques is molecular beam epitaxy (MBE)," Vacuum Technology and Coating, 33-41 (May 2000).

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OMB No. 0651-0011 Page 6 of 6

Atty. Docket No.: 150.0064 0102 Serial No.: 09/942,200

Applicant(s): Eugene P. Marsh Confirmation No.: 8194

Filing Date: 29 August 2001 Group: 2811

Examiner Initial	Copy Enclosed	Document Description	
JN		Rausch et al., "Isolation and Structural Characterization of Bis(η^5 -cyclopentadienyl)bis(carbonyl)- μ -(o-phenylene)-diiridium (Ir-Ir), $(C_5H_5)_2Ir_2(C_6H_4)$: A Product Formally Derived from the Double Oxidative Addition of Benzene to Iridium," <i>J. Amer. Chem. Soc.</i> , 99, 7870-7876 (1977).	
		Smith et al., "Low-Temperature Chemical Vapor Deposition of Rhodium and Iridium Thin Films," <i>Mat. Res. Soc. Symp. Proc.</i> , 168, 369-374 (1990).	
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		Van Hemert et al., "Vapor Deposition of Metals by Hydrogen Reduction of Metal Chelates," J. Electrochem. Soc., 112, 1123-1126 (1965).	
		Versteeg et al., "Metalorganic Chemical Vapor Deposition by Pulsed Liquid Injection Using An Ultrasonic Nozzle: Titanium Dioxide on Sapphire from Titanium (IV) Isopropoxide," <i>J. Am. Ceram. Soc.</i> , 78, 2763-2768 (1995).	
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